

SECRET

Contract

25X1

Monthly Report

PAR 215

30 Apr 66

SUBJECT: Roller Transport Processor (24-Inch)

TASK/PROBLEM

1. Design and fabricate a self-threading photographic processor capable of processing cut sheets up to 24-inches wide; machine to be darkroom operated.

DISCUSSION

2. By message 4133, dated 14 Apr 66, the contractor has requested permission to close the subject PAR.

PLANNED ACTIVITY

3. None.

Declass Review by NGA.

-3-

SECRET

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GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

DATE 10-11-65

PROCESS SPECIFICATION No. _____

MACHINE RT-24
 PRODUCT Paper
 KIND ~~EMULSION TYPE~~ Kodabromide F-2
 SIZE 24-Inch
 PROC. EMUL. UP ☐ DOWN ☒

MACHINE SPEED DIAL SETTING 5.5 ft./min.
 FILM STRIP SPEED 5.5 ft./min.
 SECONDS PER RACK 45
 THREAD UP Full

PROCESSING STAGE	CHEMICAL		REFL RATE (PER MIN)	TEMP °F	(Min.) TIME	NO. R	AGITATION	COMMENTS
	TANK	REFL						
Developer	Dektol 1:2	Dektol 1:2	100	68	1 1/2	2	Recirculation and Roller Action	1. Replenisher rates are tentative
Fixer #1	Versamat Type A	Versamat Type A	150	68	1 1/2	2	"	extensive runs could indicate minor
Fixer #2	F-5	F-5	75	68	3/4	1	"	changes.
Wash	H ₂ O		3 1/2 gal	68	5 1/4	7	Roller Action	2. Three ratosights are provided; setting is 3 1/2 gals./min. for each.
Dryer				* 120	3	4		3. Air sensor pressure setting is 1 3/4 psi; main air line setting is 20 psi.

~~DAMPENING SETTINGS:~~

~~INTAKE~~ * Blower selector set at 2
 Heater selector set at 2

EXHAUST _____

Dry to Dry 12 Min.

Emulsion

Kodabromide F-2
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EXPOSURE

Sensitometer 1B
Filter 3000°K
Exposure Time 1/2 sec. Log $E_{11} = 1.08$

PROCESSING

Gamma

1.70

Process Control Curve for
use with FI-24 Processor
Specification for
Kodabromide F-2 Paper

3.8
3.6
3.4
3.2
3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
.8
.6
.4
.2
0

DENSITY

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LOG EXPOSURE

DATE 10-11-65

PROCESS SPECIFICATION No. _____

MACHINE RT-24
 PRODUCT Paper
 KIND ~~EMULSION~~ Resisto Rapid
 SIZE 24-Inch
 PROC. EMUL. UP ☒ DOWN ☐

MACHINE SPEED DIAL SETTING 8.5 ft./min.
 FILM STRIP SPEED 8.5 ft./min.
 SECONDS PER RACK 30
 THREAD UP Full

PROCESSING STAGE	CHEMICAL		REPL RATE (PER MIN)	TEMP °F	(Min.) TIME	NO. R	AGITATION	COMMENTS
	TANK	REPL						
Developer	Dektol 1:2	Dektol 1:2	200	68	1	2	Recirculation and Roller Action	1. Replenisher rates are tentative;
Fixer #1	Versamat Type A	Versamat Type A	300	68	1	2	"	extensive runs could indicate minor
Fixer #2	F-5	F-5	150	68	1/2	1	"	changes.
Wash	H ₂ O			68	3 1/2	7	Roller Action	2. Three ratsights are provided; setting is 3 1/2 gal./min. for each.
								3. Air sensor pressure set at 1 3/4
Dryer				* 120	2 1/4	4		psi; main air pressure set at 20 psi

~~EXPOSED SETTINGS~~

~~EXPOSED~~ * Blower selector set at 2
 Heater selector set at 2

~~EXPOSED~~

Dry to Dry 8 1/4 Min.

Emulsion

Resisto Rapid N-2

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EXPOSURE

Sensitometer 1B

Filter 3000°K

Log $E_{11} = 1.08$

Exposure Time 1/2 sec.

PROCESSING

Gamma

1.32

11
↓

Process Control Curve for use
with RT-24 Processor Specification
for Resisto Rapid N-2 Paper

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LOG EXPOSURE

DENSITY